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ACCESS DB # 172942
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Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: DAVID GUZO Examiner #: 70677 Date: 11/30/05
Art Unit: 1636 Phone Number: 2-0767 Serial Number: 10/696282
Location (Bldg/Room#): Rm 2A59 (Mailbox #): 2C70 Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Date: _____

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please run a regular + interference sequence
search on SEQ ID NO: 1 and on a nucleic
acid sequence which ~~encodes~~ encodes SEQ ID NO: 13.

1- 4718 NA
29913- 736 AA

Thanks

2na-05p

12/12/05
JH

RECEIVED
NOV 30 2005
CH/CHEN, D. F. (STIC)

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OM protein - nucleic search using frameDna.p21 model

Run on: December 12, 2005, 07:07:34 ; Search time 8012 Seconds
(without alignments)
5079.206 Million cell updates/sec

Title: US-10-696-282-13

Sequence: 1 MADGYLPMWLEDNLSGIR.....NGLYTEPRPIGRYLRLPL 736

Scoring table:

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 79147668 seqs, 27645789525 residues

Total number of hits satisfying chosen parameters: 158295336

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3989	100.0	2211	54 US-10-696-261-12	Sequence 12, Appl
2	3989	100.0	2211	54 US-10-696-282-12	Sequence 12, Appl
3	3989	100.0	2211	54 US-10-696-900-12	Sequence 6, Appl1
4	3989	100.0	4718	1 PCT-US02-33629-6	Sequence 20, Appl1
5	3989	100.0	4718	1 PCT-US02-38423-20	Sequence 3, Appl1
6	3989	100.0	4718	1 PCT-US03-11191-3	Sequence 6, Appl1
7	3989	100.0	4718	43 US-10-291-583-6	Sequence 1, Appl1
8	3989	100.0	4718	51 US-10-427-129-1	Sequence 1, Appl1

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OM protein - nucleic search.

Run on: December 12, 2005, 11:30:19 ; Search time 239 Seconds

(without alignments) 1151.285 Million cell updates/sec

Title: US-10-696-282-13

Sequence: 1 MADDGYLPMDLENDNSGIR.....NGLYTPRPDITGRYLRPL 736

Scoring table: BLOSUM62

Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Delop 6.0 , Delext 7.0

Searched: 3392430 seqs, 186927314 residues

Total number of hits satisfying chosen parameters: 6784860

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
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-DB=Published Applications NA.New -QWMT=fastap -SUFFIX=p2n.rnpbn -MINMATCH=0.1
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Database: Published Applications NA.New:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	2486.5	62.3	2208	US-10-719-311-1	Sequence 5, Appl
3	2481.5	62.2	4768	US-10-719-311-1	Sequence 1, Appl
4	2220	55.7	2307	US-11-184-380-7	Sequence 7, Appl
5	2220	55.7	4652	US-11-184-380-1	Sequence 1, Appl
6	2214	55.5	2264	US-11-184-380-8	Sequence 8, Appl
7	2214	55.5	2264	US-11-184-380-9	Sequence 9, Appl
8	1830.5	45.9	1800	US-10-719-311-17	Sequence 17, Appl

9	1690.5	42.4	1617	US-10-719-311-19	Sequence 19, Appl
10	136	3.4	3289	US-10-933-025-14	Sequence 14, Appl
11	136	3.4	4286	US-10-933-025-13	Sequence 13, Appl
12	132	3.3	3906	US-10-131-826A-19	Sequence 19, Appl
13	127.5	3.2	2616	US-10-933-025-5	Sequence 5, Appl
14	127.5	3.2	3263	US-10-933-025-4	Sequence 4, Appl
15	119	3.0	191684	US-11-121-086-2	Sequence 2, Appl
16	118.5	3.0	5296	US-10-510-386-217	Sequence 21, App
17	115.5	2.9	3461	US-10-131-826A-19	Sequence 19, App
18	112.5	2.8	6245	US-10-401-386B-61	Sequence 61, Appl
19	111	2.8	2901	US-10-485-517-54	Sequence 38, Appl
20	111	2.8	169495	US-11-121-086-61	Sequence 61, Appl
21	108	2.7	153376	US-11-121-086-5	Sequence 5, Appl
22	108	2.7	172543	US-11-121-086-6	Sequence 6, Appl
23	107.5	2.7	1068	US-11-135-855-21	Sequence 21, Appl
24	107.5	2.7	5665	US-10-851-667A-24	Sequence 24, Appl
25	107.5	2.7	4749	US-10-821-234-244	Sequence 24, App
26	107	2.7	4770	US-11-000-463-7	Sequence 7, Appl
27	107	2.7	5921	US-11-186-284-29	Sequence 29, Appl
28	107	2.7	6728	US-11-186-284-27	Sequence 27, Appl
29	106	2.7	4965	US-10-485-517-43	Sequence 43, Appl
30	106	2.7	6763	US-11-080-991-55	Sequence 55, Appl
31	105	2.6	1155	US-10-833-270-1	Sequence 1, Appl
32	105.5	2.6	168516	US-11-121-086-3	Sequence 3, Appl
33	105.5	2.6	2436	US-11-102-240-99	Sequence 99, Appl
34	104.5	2.6	55763	US-10-972-766-1	Sequence 1, Appl
35	104	2.6	169495	US-11-000-463-225	Sequence 225, App
36	103.5	2.6	2197	US-11-121-086-61	Sequence 61, Appl
37	103.5	2.6	5891	US-10-750-185-56614	Sequence 56614, A
38	103	2.6	2745	US-10-647-956A-5	Sequence 5, Appl
39	102.5	2.6	9454	US-11-109-056-1	Sequence 1, Appl
40	102.5	2.6	2349	US-10-972-053-7	Sequence 7, Appl
41	102	2.6	2557	US-10-972-053-1	Sequence 1, Appl
42	102	2.6	2133	US-11-045-802-10	Sequence 10, Appl
43	101.5	2.5	2133	US-10-933-025-7	Sequence 7, Appl
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45	101.5	2.5	7989	US-10-509-921-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
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; Sequence 25, Application US/11184380
; Publication No. US20050255089A1
; GENERAL INFORMATION:
; APPLICANT: Kocin, Robert M.
; TITLE OF INVENTION: AAVS NUCLEIC ACIDS
; FILE REFERENCE: 14014.032303
; CURRENT APPLICATION NUMBER: US/11/184,380
; CURRENT FILING DATE: 2005-07-19
; PRIOR APPLICATION NUMBER: PCT/US99/11958
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/087,029
; NUMBER OF SEQ ID NOS: 26
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; LENGTH: 4679
; TYPE: DNA
; ORGANISM: Artificial Sequence
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; OTHER INFORMATION: Description of Artificial Sequence; Note =
US-11-184-380-25

Alignment Scores:
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Percent Similarity: 90.08%
Best Local Similarity: 85.15%
Query Match: 85.15%
Length: 4679
Matches: 612
Conservative: 51
Mismatch: 72
Indels: 1

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OM protein - nucleic search, ~~us-10-696-282-13.p2n.rnpbm~~

Run on: December 12, 2005, 09:47:27 ; Search time 1262 Seconds
(without alignments)
4822.712 Million cell updates/sec

Title: US-10-696-282-13
Sequence: 1 MAAAGYLPWLENDLSEGR.....NGLYTHPRPIGRYLRPL 736

Scoring table: BLOSUM62
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Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 9793542 segs, 4134683005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	3989	100.0	2211	US-10-696-282-12	Sequence 12, Appl1
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8	3989	100.0	4718	US-10-427-129-1	Sequence 1, Appl1
9	3989	100.0	4718	US-10-959-017-3	Sequence 3, Appl1
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12	3984	99.9	7447	US-10-415-834-11	Sequence 11, Appl1
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17	3945	98.9	4683	US-10-696-900-19	Sequence 19, Appl1
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19	3494	87.6	4726	US-10-291-583-8	Sequence 8, Appl1
20	3494	87.6	4726	US-10-959-017-4	Sequence 4, Appl1
21	3473	87.1	3122	US-10-291-583-45	Sequence 45, Appl1
22	3467	86.9	4382	US-10-496-799-1	Sequence 1, Appl1
23	3464	86.8	3117	US-10-291-583-43	Sequence 43, Appl1
24	3460	86.7	3121	US-10-291-583-44	Sequence 44, Appl1
25	3457	86.7	3122	US-10-291-583-42	Sequence 42, Appl1
26	3453	86.6	3128	US-10-291-583-27	Sequence 27, Appl1
27	3451.5	86.5	3075	US-10-291-583-26	Sequence 26, Appl1
28	3448	86.4	3129	US-10-291-583-25	Sequence 25, Appl1
29	3446.5	86.4	3142	US-10-291-583-25	Sequence 25, Appl1
30	3445	86.4	3123	US-10-291-583-41	Sequence 41, Appl1
31	3442.5	86.3	4721	US-10-291-583-1	Sequence 1, Appl1
32	3441	86.3	3128	US-10-291-583-47	Sequence 47, Appl1
33	3440	86.2	3128	US-10-291-583-28	Sequence 28, Appl1
34	3439	86.2	8179	US-10-205-942-5	Sequence 5, Appl1
35	3438	86.2	3084	US-10-291-583-39	Sequence 39, Appl1
36	3434	86.1	3086	US-10-291-583-37	Sequence 37, Appl1
37	3432	86.0	3197	US-10-291-583-29	Sequence 29, Appl1
38	3429	86.0	3121	US-10-291-583-11	Sequence 11, Appl1
39	3424.5	85.8	3127	US-10-291-583-15	Sequence 15, Appl1
40	3423.5	85.8	2205	US-10-291-583-120	Sequence 120, Appl1
41	3423.5	85.8	4385	US-10-291-583-5	Sequence 5, Appl1
42	3422.5	85.8	3095	US-10-291-583-24	Sequence 24, Appl1
43	3422	85.7	3121	US-10-291-583-13	Sequence 13, Appl1
44	3420.5	85.7	3113	US-10-291-583-31	Sequence 31, Appl1
45	3420	85.7	3098	US-10-291-583-9	Sequence 9, Appl1

ALIGNMENTS

RESULT 1
US-10-696-261-12
; Sequence 12, Application US/10696261
; Publication No. US20040057931A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype 1 Nucleic Acid Sequences,
; FILE REFERENCE: GNPV.031USA
; CURRENT APPLICATION NUMBER: US/10/696,261
; PRIOR FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 2211
; TYPE: DNA
; ORGANISM: AAV-1
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2208)
; OTHER INFORMATION:
US-10-696-261-12
Alignment Scores:

GenCore version 5.1.6
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OM protein - nucleic search, using frameplus.p2n model

Run on: December 12, 2005, 06:54:48 ; Search time 331 Seconds

(without alignments)
3952.524 Million cell updates/sec

Title: US-10-696-282-13

Sequence: 1 MAAAGVLPDMLMEDLSRGIR.....NNGLYTRPRIGTYLRPL 736

Scoring table:

BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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-DB=Issued Patents NA -OPMT=fasta -SUFFIX=p2n.rn1 -MINMATCH=0.1 -LOOPT=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 TRANS=human40.cdt
-LIST=45 -DOCALLIGN=200 -THR.SCORE=pct -THR.MAX=100 -THR.MIN=0 -ALIGN=15
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database: Issued Patents NA.*

1: /cgn2_6/prodata/1/ina/1.COMB.seq.*
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3: /cgn2_6/prodata/1/ina/6A.COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B.COMB.seq.*
5: /cgn2_6/prodata/1/ina/H.COMB.seq.*
6: /cgn2_6/prodata/1/ina/PCTUS.COMB.seq.*
7: /cgn2_6/prodata/1/ina/PP.COMB.seq.*
8: /cgn2_6/prodata/1/ina/RE.COMB.seq.*
9: /cgn2_6/prodata/1/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match length	DB ID	Description
1	3989	100.0	2211	US-09-807-802A-12 Sequence 12, Appl
2	3989	100.0	4718	US-09-807-802A-11 Sequence 11, Appl
3	3984	99.9	7447	US-10-216-870-11 Sequence 11, Appl
4	3984	99.9	7447	US-10-216-870-11 Sequence 19, Appl
5	3945	98.9	4683	US-09-807-802A-19 Sequence 5, Appl
6	3439	86.2	8179	US-09-438-268-5 Sequence 4, Appl
7	3402.5	85.3	4072	US-09-770-315-4 Sequence 12, Appl
8	3402.5	85.3	4679	US-10-038-972A-12 Sequence 3, Appl
9	3402.5	85.3	7557	US-09-770-315-3 Sequence 2, Appl
9	3402.5	85.3	8698	US-09-770-315-2 Sequence 2, Appl

10	3360.5	84.2	4680	2	US-08-254-358-1	Sequence 1, Appl
11	3360.5	84.2	4680	2	US-08-475-391-1	Sequence 1, Appl
12	3360.5	84.2	4680	2	US-08-709-609-1	Sequence 1, Appl
13	3360.5	84.2	4680	6	PCT-US95-07178-1	Sequence 1, Appl
14	3348.5	83.9	4681	3	US-09-807-802A-18	Sequence 18, Appl
15	3322.5	83.3	4675	3	US-09-782-378A-1	Sequence 1, Appl
16	3322.5	83.3	4675	3	US-09-782-378A-1	Sequence 14, Appl
17	3321	81.5	1800	3	US-09-807-802A-14	Sequence 2, Appl
18	3038.5	76.2	8151	3	US-09-438-268-2	Sequence 16, Appl
19	2906	72.9	1605	3	US-09-807-802A-16	Sequence 14, Appl
20	2494.5	62.5	7744	3	US-10-216-870-14	Sequence 1, Appl
21	2486.5	62.3	2208	3	US-09-532-594B-5	Sequence 5, Appl
22	2486.5	62.3	7214	3	US-09-438-268-1	Sequence 1, Appl
23	2481.5	62.2	4767	3	US-09-532-594B-1	Sequence 7, Appl
24	2220	55.7	2307	3	US-09-533-427-7	Sequence 1, Appl
25	2220	55.7	4652	3	US-09-533-427-8	Sequence 1, Appl
26	2214	55.5	2264	3	US-09-533-427-8	Sequence 8, Appl
27	2214	55.5	2264	3	US-09-533-427-8	Sequence 9, Appl
28	1830.5	45.9	1800	3	US-09-532-594B-17	Sequence 17, Appl
29	1690.5	42.4	1617	3	US-09-532-594B-19	Sequence 19, Appl
30	1410	35.3	2271	3	US-09-438-268-3	Sequence 26, Appl
31	599.5	15.0	2380	3	US-10-187-253B-26	Sequence 32, Appl
32	599.5	15.0	2380	3	US-10-187-253B-32	Sequence 22, Appl
33	599.5	15.0	4678	3	US-10-187-253B-22	Sequence 23, Appl
34	599.5	15.0	4678	3	US-10-187-253B-23	Sequence 34, Appl
35	486	12.2	1699	3	US-10-187-253B-28	Sequence 1, Appl
36	486	12.2	1699	3	US-10-187-253B-34	Sequence 2, Appl
37	439	11.0	5049	2	US-08-336-345-1	Sequence 1, Appl
38	439	11.0	5049	2	US-08-336-345-2	Sequence 2, Appl
39	439	11.0	5049	2	US-08-647-655-1	Sequence 2, Appl
40	439	11.0	5049	2	US-08-647-655-2	Sequence 9, Appl
41	277.5	7.0	681	3	US-10-187-253B-92	Sequence 92, Appl
42	263	6.6	2062	9	5223424-3	Patent No. 5223424
43	247	6.2	1740	2	US-07-969-213-1	Sequence 1, Appl
44	235.5	5.9	700	3	US-10-187-253B-4	Sequence 4, Appl
45	233.5	5.9	700	3	US-10-187-253B-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-09-807-802A-12
Sequence 12, Application US/09807802A
Patent No. 6759237
GENERAL INFORMATION:
APPLICANT: Watson, James M.
TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
FILE REFERENCE: GNVN.031USA
CURRENT FILING DATE: 2002-02-21
PRIOR APPLICATION NUMBER: US/09/807,802A
PRIOR FILING DATE: 1998-11-05
PRIOR APPLICATION NUMBER: PCT/US99/25694
PRIOR FILING DATE: 1999-11-02
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn version 3.1
SEQ ID NO 12
LENGTH: 2211
TYPE: DNA
ORGANISM: AAV-1
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2208)
OTHER INFORMATION:
US-09-807-802A-12
Alignment Scores:
Pred. No.: 0
Score: 3989.00
Percent Similarity: 100.00%
Beet Local Similarity: 100.00%
Length: 2211
Matches: 736
Conservative: 0
Mismatch: 0

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OM protein - nucleic search, using framep2n model

Run on: December 12, 2005, 06:00:53 ; Search time 6192 Seconds
(without alignments)
5561.255 Million cell updates/sec

Title: US-10-696-282-13
3989
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Scoring table:
BLOSUM62
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Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 41078325 seqs, 23393541228 residues
Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-UNITS=bits -START=1 -END=1 -MATRIX=biosum62 -TRANS=human0.cdi -LIST=45
-DOCLLEN=200 -THR.SCOR=pct -THR.MAX=100 -THR.MIN=0 -ALIGN=15 -MODE=LOCAL
-OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
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- 2: gb_est2:*
- 3: gb_est3:*
- 4: gb_hic:*
- 5: gb_est4:*
- 6: gb_est5:*
- 7: gb_est6:*
- 8: gb_est7:*
- 9: gb_gse1:*
- 10: gb_gse2:*
- 11: gb_gse3:*

pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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C 2	294	7.4	195	9	CO888893
C 3	193.5	4.9	753	9	BH115587
C 4	165	4.1	1944	10	AY415352
C 5	151.5	3.8	572	5	BM334595
C 6	148	3.7	1109	8	DR147327
C 7	147	3.7	2318	4	BC014681

8	139.5	3.5	803	9	B2265284
9	136.5	3.4	1297	4	CNS0FQWD
10	136	3.4	3945	4	CR749319
11	135	3.4	667	5	BM323619
12	134	3.4	856	5	BH164736
13	133	3.3	642	5	BM360495
14	133	3.3	1947	10	AY415350
15	133	3.3	2146	4	AK042727
16	133	3.3	2295	4	AK035953
17	130.5	3.3	2990	4	CR857451
18	130	3.3	687	4	BM482915
19	129	3.2	3943	4	AK087510
20	128.5	3.2	552	6	CF318715
21	128.5	3.2	4355	10	AY416870
22	128	3.2	921	10	CG239378
23	127.5	3.2	1902	4	CR602498
24	127.5	3.2	2613	11	DQ052183
25	127.5	3.2	5021	4	CR857584
26	125	3.1	640	6	CA356072
27	125	3.1	701	6	CA363789
28	125	3.1	743	6	CA378088
29	125	3.1	705	6	BJ139005
30	125	3.1	754	2	BC207226
31	125	3.1	2019	4	AK014322
32	124	3.1	925	5	BQ440075
33	123.5	3.1	645	3	BI911451
34	123.5	3.1	1329	4	CR591190
35	123.5	3.1	3512	4	AK038988
36	123.5	3.1	4763	4	AK083225
37	123	3.1	631	5	BM328301
38	123	3.1	6987	4	BC069829
39	122.5	3.1	703	7	CF869635
40	122.5	3.1	756	9	AQ742711
41	122.5	3.1	795	6	CB899782
42	122.5	3.1	2391	10	CU961669
43	122.5	3.1	2610	11	DQ052184
44	122	3.1	4180	4	HSN801295
45	121.5	3.0	925	9	BH152154

ALIGNMENTS

RESULT 1
LOCUS CO892248/c
DEFINITION Bos taurus 264 bp mRNA linear EST 01-SEP-2004
R2PDP1056M0360Q 5', mRNA sequence.

ACCESSION CO892248
VERSION CO892248.1
KEYWORDS GI:51822548

SOURCE EST.
ORGANISM Bos taurus (cow)

REFERENCE Bos taurus
Bukariyola; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia;
Pecora; Bovidae; Bovinae; Bos.

AUTHORS Hemig, S., Janitz, M., Herwig, R. and Williams, J.
TITLE Generation, annotation, evolutionary analysis and database
integration of 14969 cattle EST clusters
JOURNAL Unpublished (2004)
COMMENT Unpublished (2004)
Contact: Hemig S
laboratory 123, dept. lehrach
Max-Planck-Institut fuer Molekulare Genetik
Innestr. 63-73, D-14195 Berlin, Germany
Tel: +49 30 8413 1612
Fax: +49 30 8413 1380
Email: hemig@molgen.mpg.de

The library was characterized by oligonucleotide fingerprinting
(ONPF) to reduce sequencing redundancy. According to the ONPF
procedure, clones that display the same hybridization matrix with a
battery of 200 8mer oligonucleotides are grouped into clusters. One
clone per ONPF cluster was selected for sequencing. cDNA clones and
filters are distributed via Deutsches Reesourcenzentrum fuer

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OM protein - nucleic search,

Using frameplus p2n model

Run on: December 12, 2005, 00:05:58 ; Search time 974 Seconds
(without alignments)
5036.154 Million cell updates/sec

Title: US-10-696-282-13

Sequence: 1 MAADGYLEPWLLENDLESGIR.....NGLYEPRIPIGRYLRPL 736

Scoring table:

BLOSUM62
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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 4996997 seqs, 333246308 residues

Total number of hits satisfying chosen parameters: 9993994

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

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1: genesegn1980s:*
2: genesegn1990s:*
3: genesegn2000s:*
4: genesegn2001as:*
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11: genesegn2003ds:*
12: genesegn2004as:*
13: genesegn2004bs:*
14: genesegn2005s:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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3	3989	100.0	2211	14	AD226929
4	3989	100.0	4347	13	ADW39398

5	3989	100.0	4347	14	AD246594	Ad246594 HSV-AAV s
6	3989	100.0	4718	3	AAD00772	AAD00772 Adeno-ss
7	3989	100.0	4718	10	AD276507	Ad276507 Adeno-ss
8	3989	100.0	4718	10	ADL13984	AdL13984 Adeno-ss
9	3989	100.0	4718	12	ADG39758	AdG39758 AAV-1 gen
10	3984	99.9	7447	8	ACC58477	ACC58477 Vector pF
11	3968	99.5	2211	14	AD226928	Ad226928 Adeno-ss
12	3963	99.3	2211	13	ADW39402	AdW39402 Adeno-ss
13	3963	99.3	4239	13	ADW39402	AdW39402 Adeno-ss
14	3963	99.3	4239	14	AD246598	Ad246598 HSV-AAV s
15	3963	99.3	4683	4	AAFP23749	AAFP23749 AAV6 DNA
16	3963	99.3	4683	10	ADL13983	AdL13983 Adeno-ss
17	3963	99.3	4683	12	ADG39763	AdG39763 AAV-6 gen
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19	3873	97.1	2211	14	AD226931	Ad226931 Adeno-ss
20	3853	96.6	2211	14	AD226932	Ad226932 Adeno-ss
21	3511	88.0	4722	4	AAFP23748	AAFP23748 AAV3B DNA
22	3511	88.0	4722	12	ADG39760	AdG39760 AAV-3B ge
23	3494	87.6	2211	14	AD227050	Ad227050 Adeno-ss
24	3494	87.6	4286	14	AD246595	Ad246595 HSV-AAV s
25	3494	87.6	4287	13	ADW39399	AdW39399 Adeno-ss
26	3494	87.6	4726	10	AD276509	Ad276509 Adeno-ss
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28	3494	87.6	4726	12	ADG39759	AdG39759 AAV-3A ge
29	3483.5	87.3	2214	14	AD226891	Ad226891 Adeno-ss
30	3473	87.1	3122	10	AD276546	Ad276546 Adeno-ss
31	3469	87.0	2217	14	AD226892	Ad226892 Adeno-ss
32	3467	86.9	4382	9	AB080410	AB080410 AAV9 rep
33	3464	86.8	3117	10	AD276544	Ad276544 Adeno-ss
34	3460	86.7	3121	10	AD276545	Ad276545 Adeno-ss
35	3458.5	86.7	2214	14	AD226886	Ad226886 Adeno-ss
36	3457	86.7	3122	10	AD276543	Ad276543 Adeno-ss
37	3456.5	86.7	2214	14	AD226885	Ad226885 Adeno-ss
38	3456.5	86.7	2214	14	AD226885	Ad226885 Adeno-ss
39	3456.5	86.7	2217	14	AD227020	Ad227020 Adeno-ss
40	3456	86.6	2318	14	AD226882	Ad226882 Adeno-ss
41	3455.5	86.6	2214	14	AD226882	Ad226882 Adeno-ss
42	3453.5	86.6	2208	14	AD226895	Ad226895 Adeno-ss
43	3453.5	86.6	2208	14	AD226895	Ad226895 Adeno-ss
44	3453	86.6	2217	14	AD226863	Ad226863 Adeno-ss
45	3453	86.6	2217	14	AD226859	Ad226859 Adeno-ss

ALIGNMENTS

RESULT 1
ID AAD00777 standard; DNA; 2211 BP.
XX AAD00777;
AC AAD00777;
XX 08-SEP-2000 (first entry)
DT
XX Adeno-associated virus serotype 1 capsid protein VP1 DNA.
XX Adeno-associated virus serotype 1; AAV-1; rep protein; capsid protein;
XX cap protein; recombinant viral vector; gene delivery; gene therapy;
XX vaccine; transgene; VP1; ss.
XX Adeno associated virus serotype 1.
OS
XX
XX Key Location/Qualifiers
XX CDS 1..2211 /tag= a
XX FT /product= "VP1 protein"
XX PN
XX PD
XX 18-MAY-2000.
XX
XX 02-NOV-1999; 99W0-US025694.
XX 05-NOV-1999; 98US-0107114P.

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OM protein - nucleic search,

Run on: December 12, 2005, 05:57:53 ; Search time 8511 Seconds

(without alignments)
4915.613 Million cell updates/sec

Title: US-10-696-282-13

Sequence: 1 MANDGVLPMEDMLSEGIR.....NNGLYTERPRIGTYLRPL 736

Scoring table:

BIOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:
-MODE=frame.p2n.model -DEV=xidp
-O=/cgn2/USPTO.spool.p/US10656282/runat_06122005_133342_8409/app.query.fasta_1.90
-DB=Genbmbl -OEMT=fastp -SUFIX=p2n.rge -MINMATCH=0.1 -LOOPEXT=0 -LOOPEXT=0
-UNITS=bits -START=1 -END=1 -MATRIX=BIOSUM62 -TRANS=human40.cdi -LIST=45
-DOCNALIGN=200 -THR_SCORE=pcc -THR_MAX=100 -THR_MIN=0 -ALIGN=15 -MODE=LOCAL
-OUTFMT=pro -NOR=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US10656282.CCN_1_1_7415 @runat_06122005_133342_8409 -NCPU=6 -ICPU=3
-NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -MAIN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -Fgapop=6
-Fgapext=7 -Ygapop=10 -Ygapext=0.5 -Delop=6 -Delext=7

Database :

Genbmbl: *
1: gb_ba: *
2: gb_in: *
3: gb_env: *
4: gb_cm: *
5: gb_ov: *
6: gb_pat: *
7: gb_ph: *
8: gb_pr: *
9: gb_ro: *
10: gb_scs: *
11: gb_sy: *
12: gb_un: *
13: gb_vi: *
14: gb_htg: *
15: gb_pl: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3989	100.0	2211	6	BD242771 Adeno-ss
2	3989	100.0	2211	6	CS073491 Sequence
3	3989	100.0	2211	6	CS073614 Sequence

Result No.	Score	Query Match	Length	DB ID	Description
4	3989	100.0	2211	6	ARS62503 Sequence
5	3989	100.0	4718	6	BD242766 Adeno-ss
6	3989	100.0	4718	6	ARS62498 Sequence
7	3989	100.0	4718	6	AX753251 Sequence
8	3989	100.0	4718	13	AF063497 Adeno-ss
9	3989	99.9	7447	6	ARS27492 Sequence
10	3989	99.9	2211	6	CS073490 Sequence
11	3989	99.9	2211	13	AY530611 Adeno-ss
12	3989	99.9	2211	6	CS073615 Sequence
13	3989	99.9	4683	13	AF028704 Adeno-ss
14	3989	99.9	4683	6	BD242775 Adeno-ss
15	3989	99.9	4683	6	ARS62507 Sequence
16	3989	99.9	2211	6	CS073492 Sequence
17	3989	99.9	2211	13	AY530606 Adeno-ss
18	3989	99.9	2211	13	AY530607 Adeno-ss
19	3989	99.9	2211	6	CS073493 Sequence
20	3989	99.9	2211	6	CS073494 Sequence
21	3989	99.9	2211	13	AY530609 Adeno-ss
22	3989	99.9	4722	13	AF028705 Adeno-ss
23	3989	99.9	4722	13	CS073612 Sequence
24	3989	99.9	4726	6	AX753253 Sequence
25	3989	99.9	4726	13	AY048704 Adeno-ss
26	3989	99.9	2211	6	CS073453 Sequence
27	3989	99.9	2211	13	AY242997 Non-human
28	3989	99.9	2211	6	AX753290 Sequence
29	3989	99.9	4430	13	AY695376 Adeno-ss
30	3989	99.9	2217	6	CS073454 Sequence
31	3989	99.9	3117	6	AX753288 Sequence
32	3989	99.9	3121	6	AX753289 Sequence
33	3989	99.9	2214	6	CS073448 Sequence
34	3989	99.9	2214	6	AX753287 Sequence
35	3989	99.9	2208	13	AY530622 Adeno-ss
36	3989	99.9	2214	6	CS073447 Sequence
37	3989	99.9	2214	6	CS073452 Sequence
38	3989	99.9	2214	13	AY530567 Adeno-ss
39	3989	99.9	3158	6	CS073582 Sequence
40	3989	99.9	2217	6	CS073431 Sequence
41	3989	99.9	2214	6	CS073444 Sequence
42	3989	99.9	2214	13	AY530561 Adeno-ss
43	3989	99.9	2208	6	CS073457 Sequence
44	3989	99.9	2208	6	CS073461 Sequence
45	3989	99.9	2208	13	AY530591 Adeno-ss

ALIGNMENTS

RESULT 1
BD242771 2211 bp DNA linear PAT 17-JUL-2003
LOCUS Adeno-associated virus serum type 1 nucleic acid sequence, vector
DEFINITION Adeno-associated virus serum type 1 nucleic acid sequence, vector
ACCESSION BD242771
VERSION BD242771.1 GI:33052541
KEYWORDS JP 2002529098-A/6.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 2211)
AUTHORS Wilson, T.M. and Xiao, W.
TITLE Adeno-associated virus serum type 1 nucleic acid sequence, vector
JOURNAL and host cell containing the same
PATENT: JP 2002529098-A 6 10-SEP-2002;
COMMENT THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
OS AYV-1
PN JP 2002529098-A/6
PD 10-SEP-2002 JP 2000581227
PR 02-NOV-1999 JP 2000581227
PR 05-NOV-1998 US 60/107114
PI JAMES M WILSON, WEIDONG XIAO
PC C12N15/09, A61K31/711, A61K48/00, A61P43/00, C12N1/15, C12N1/19, PC
C12N1/21,
PC C12N5/10, C12P21/02, A61K35/76, C12N15/00, C12N5/00 CC
Adeno-associated virus serum type 1 nucleic acid sequence, CC

DD 121 GGCACTCCATCA

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OM nucleic - nucleic search, using sw model

Run on: December 11, 2005, 12:04:41 ; Search time 16217 Seconds
(without alignment)
13611.732 Million cell updates/sec

Title: US-10-696-282-1

Perfect score: 4718
Sequence: 1 tctgccactccctctctgcg.....cgagagagggagtcggca 4718

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 2339354128 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
EST:
1: gb_ests1:
2: gb_ests2:
3: gb_ests3:
4: gb_hic:
5: gb_ests4:
6: gb_ests5:
7: gb_ests6:
8: gb_ests7:
9: gb_gsa1:
10: gb_gsa2:
11: gb_gsa3:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	180.8	3.8	264	7	CO892248
C 2	126.8	2.7	195	7	CO888893
C 3	91.8	1.9	489	9	AZ289042
C 4	85.4	1.8	778	10	AG491391
C 5	76.2	1.6	753	9	BH115587
C 6	71	1.5	495	9	AZ028362
C 7	60.6	1.3	668	9	CF843972
C 8	55.2	1.2	636	3	BM440166
C 9	55.2	1.2	659	3	BM371945
C 10	55.2	1.2	692	5	BQ766288
C 11	55.2	1.2	852	2	BG310300
C 12	55.2	1.2	869	3	BP170704
C 13	55.2	1.2	1553	8	DN551925
C 14	54.6	1.2	845	7	CK462848
C 15	54.4	1.2	665	5	BM846578
C 16	54.4	1.1	415	3	CA024206
C 17	54	1.1	618	3	BQ550744
C 18	54	1.1	652	3	BQ268130
C 19	54	1.1	734	5	BU099382
C 20	54	1.1	818	5	BZ578035
C 21	54	1.1	1125	8	DR736937
C 22	53.8	1.1	878	6	CD437318

23	53.2	1.1	556	10	CM491633
24	53.2	1.1	607	5	BQ60503
25	53.2	1.1	700	10	CM041764
26	53	1.1	714	7	CF846078
27	52.6	1.1	484	9	CE239279
28	52.6	1.1	694	7	CF843324
29	52.6	1.1	818	6	CB800543
30	52.6	1.1	818	7	CF870364
31	52.4	1.1	528	1	AL818251
32	52.4	1.1	688	3	BM816637
33	52.4	1.1	837	8	CV776978
34	52.4	1.1	1065	4	AV110092
35	52.4	1.1	1092	8	DR741775
36	52.2	1.1	942	7	CK371427
37	52.2	1.1	938	10	CG329376
38	52	1.1	729	10	CL971124
39	52	1.1	859	6	CA174679
40	52	1.1	877	3	BI952167
41	51.8	1.1	645	6	CB479173
42	51.6	1.1	492	6	CF487798
43	51.6	1.1	570	2	BA542865
44	51.6	1.1	577	6	CF487880
45	51.6	1.1	612	3	BI873856

ALIGNMENTS

RESULT 1
LOCUS CO892248/C 264 bp mRNA linear EST 01-SEP-2004
DEFINITION Bovgen_20573 normal cattle brain Bos taurus cDNA clone
RZPDp1056M0360Q 5', mRNA sequence.
ACCESSION CO892248
VERSION CO892248.1 GI:51822548
KEYWORDS EST
SOURCE Bos taurus (cow)
ORGANISM Bos taurus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia;
Bovora; Bovidae; Bovinae; Bos.

REFERENCE
AUTHORS Hennig S., Janitz M., Herwig R. and Williams J.
TITLE Generation, annotation, evolutionary analysis and database
integration of 14969 cattle EST clusters
JOURNAL Unpublished (2004)
COMMENT Contact: Hennig S
laboratory 123, dept. Lehnach
Max-Planck-Institut fuer Molekulare Genetik
Inhestr.63-73, D-14195 Berlin, Germany
Tel: +49 30 8413 1612
Fax: +49 30 8413 1380
Email: hennig@molgen.mpg.de

The library was characterised by oligonucleotide fingerprinting
(ONP) to reduce sequencing redundancy. According to the ONP
procedure, clones that display the same hybridisation matrix with a
battery of 200 8mer oligonucleotides are grouped into clusters. One
clone per ONP cluster was selected for sequencing. cDNA clones and
filters are distributed via Deutsches Ressourcenzentrum fuer
Genomforschung GmbH (<http://www.rzpd.de>).

PCR Primers
FORWARD: 5' CCCAGGCTTACACTTATGCTCCGGCTCG 3' (M13RSP) 5'-seq
BACKWARD: 5' GATATACGACGACGCGAAGGCGATGTG 3' (M13SP) 3'-seq
Seq primer: 5'-CCGTCGGAATTCGGGT-3' (M13RSP).

FEATURES

source
Location/Qualifiers
1..264
/organism="Bos taurus"
/mol_type="mRNA"
/db_xref="taxon:9913"
/clone="RZPDp1056M0360Q"
/sex="female"
/tissue_type="brain tissue"
/dev_stage="adult brain"

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 11, 2005, 12:02:06 ; Search time 22657 Seconds

(without alignments)
11836.845 Million cell updates/sec

Title: US-10-696-282-1

Perfect score: 4718
Sequence: 1 tttccccctccccctctgcg.....cgcagagaggaagtgggcaa 4718

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

GenEmb1:*
1: gb_ba:*
2: gb_in:*
3: gb_env:*
4: gb_cm:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
8: gb_pr:*
9: gb_ro:*
10: gb_str:*
11: gb_sy:*
12: gb_un:*
13: gb_vl:*
14: gb_hcg:*
15: gb_pl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4718	100.0	4718	6	BD242766 Adeno-ss
2	4718	100.0	4718	6	AR562498 Sequence
3	4718	100.0	4718	6	AX753251 Sequence
4	4718	100.0	4718	13	AF063497 Adeno-ss
5	4258	90.3	4683	13	AF028704 Adeno-ss
6	4253.2	90.1	4683	6	BD242775 Adeno-ss
7	4253.2	90.1	4683	6	AR562507 Sequence
8	3947.4	83.7	4721	6	CQ972062 Sequence
9	3947.4	83.7	4721	6	CS073592 Sequence
10	3947.4	83.7	4721	6	AX753246 Sequence
11	3947.4	83.7	4721	13	AF513851 Adeno-ss
12	3587.2	76.0	4385	6	AX753250 Sequence
13	3546.4	75.2	4393	6	CQ972063 Sequence
14	3546.4	75.2	4393	6	CS073594 Sequence
15	3546.4	75.2	4393	6	AX753249 Sequence
16	3293.8	69.8	4102	13	AF513852 Adeno-ss
17	3293.8	69.8	4102	13	AF631965 Adeno-ss
18	3211.6	68.1	4726	6	AX753253 Sequence

19	3211.6	68.1	4726	13	AV048704	U48704 Adeno-ss
20	3205	67.9	4722	13	AF028705	AF028705 Adeno-ss
21	3107.8	65.9	4679	6	AX282480	AX282480 Sequence
22	3107.8	65.9	4679	13	AF043303	AF043303 Adeno-ss
23	3107.8	65.9	8698	6	AR222044	AR222044 Sequence
24	3107.8	65.9	8698	6	AX205072	AX205072 Sequence
25	3084.2	65.4	4681	6	BD242774	BD242774 Adeno-ss
26	3084.2	65.4	4681	6	AR562506	AR562506 Sequence
27	3082.4	65.3	4680	6	AR028767	AR028767 Sequence
28	3082.4	65.3	4680	6	162303	162303 Sequence 1
29	3055.8	64.8	4675	6	BD094552	BD094552 Method of
30	3055.8	64.8	4675	6	AX135805	AX135805 Sequence
31	3055.8	64.8	4675	6	AX286292	AX286292 Sequence
32	3055.8	64.8	4675	6	AX753252	AX753252 Sequence
33	3055.8	64.8	4675	13	AA2CG	J01801 Adeno-ss
34	2993.4	63.4	7557	6	AR222045	AR222045 Sequence
35	2993.4	63.4	7557	6	AX205073	AX205073 Sequence
36	2972.6	63.0	4429	13	AY695371	AY695371 Adeno-ss
37	2971	63.0	4429	13	AY695372	AY695372 Adeno-ss
38	2969.6	62.9	4430	13	AY695376	AY695376 Adeno-ss
39	2963.2	62.8	4429	13	AY695374	AY695374 Adeno-ss
40	2961.4	62.8	4429	13	AY695373	AY695373 Adeno-ss
41	2959.8	62.7	4429	13	AY695375	AY695375 Adeno-ss
42	2941.8	62.4	8179	6	BD271148	BD271148 Virus vec
43	2941.8	62.4	8179	6	AR264580	AR264580 Sequence
44	2878.4	61.0	7337	11	AF636963	AF636963 Cloning v
45	2731	57.9	4087	13	AY631966	AY631966 Adeno-ss

ALIGNMENTS

RESULT 1
BD242766 4718 bp DNA linear PAT 17-JUL-2003
LOCUS
DEFINITION
Adeno-associated virus serum type 1 nucleic acid sequence, vector
and host cell containing the same.
ACCESSION
BD242766 GI:33052536
VERSION
BD242766.1 GI:33052536
KEYWORDS
JP 2002529098-A/1.
SOURCE
unidentified
ORGANISM
unclassified.
REFERENCE
1 (bases 1 to 4718)
WILSON, J.M. and Xiao, W.
TITILE
Adeno-associated virus serum type 1 nucleic acid sequence, vector
and host cell containing the same
JOURNAL
Patent: JP 2002529098-A 1 10-SEP-2002;
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
COMMENT
OS AAV-1
PN JP 2002529098-A/1
PD 10-SEP-2002
PF 02-NOV-1999 JP 200581227
PR 05-NOV-1998 US 60/107114
PI JAMES M WILSON, WEIDONG XIAO
PC C12N15/09, A61K31/711, A61K48/00, A61P43/00, C12N1/15, C12N1/19, PC
C12N1/21.
PC C12N5/10, C12P21/02, A61K35/76, C12N15/00, C12N5/00 CC
Adeno-associated virus serum type 1 nucleic acid sequence, CC
vector and host
CC cell containing the same
FH Key location/Qualifiers
FT CDS (335) . (1206)
FT CDS (2223) . (4430).
FEATURES
source location/Qualifiers
1..4718
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

Query Match 100.0%; Score 4718; DB 6; Length 4718;
Best Local Similarity 100.0%; Pred. No. 0;

ORIGIN